| | | 1 | N 18 2005 W | | | | | |
|--|---|----|-------------|------------------|----------------|------------------------------------|----------|--|
| FORM PTO | | 1 | ,⊜, | APPLICATION NO.: | 09/925,247 | ATTY. DOCKET NO.: \$1448,70002US00 | | |
| FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | FILING DATE: | August 8, 2001 | CONFIRMATION NO.: | 3655 | |
| | | | | APPLICANT: | Awad et al. | | | |
| | | | | GROUP ART UNIT: | 2634 | EXAMINER: | I v. Tio | |
| Sheet | 1 | of | 1 | GROOF ART UNIT. | 2034 | EXAMINEK: | Lu, Jia | |

U.S. PATENT DOCUMENTS

| Examiner's Initials | Cite | U.S. Patent Do | cument | Name of Patentee or Applicant of Cited | Date of Publication or of issue | |
|------------------------|------|----------------|--------|--|---------------------------------|---------------------------------|
| | | No. | Number | Kind Code | Document Document | of Cited Document MM-DD-YYYY |
| ノレ | | 5,117,418 | | Chaffee et al. | 05-26-1992 | |
| 70 | | 5,375,147 | | Awata et al. | 12-20-1994 | |
| su | | 6,035,312 | | Hasegawa | 03-07-2000 | |
| 71/ | | 6,396,872 | BI | Sugiyama | 05-28-2002 | |
| JU | | 6,437,932 | В١ | Prater et al. | 08-20-2002 | |
| しし | | 6,483,872 | B2 | Nguyen | 11-19-2002 | |
| iU | | 6,744,886 | B1 | Benesty et al. | 06-01-2004 | |
| グレ | | 6,768,796 | B2 | Lu | 07-27-2004 | |
| ~ 10 | | 2003/0031242 | A1 | Awad et al. | 02-13-2003 | |

FOREIGN PATENT DOCUMENTS

| Examiner's Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited | Date of | Translation |
|------------------------|-------------|-------------------------|---------|--------------|--|--|-------------|
| | | Office/ Country | Number | Kind Code | Document (not necessary) | Publication of Cited Document MM-DD-YYYY | (Y/N) |
| JL | | EP | 0709958 | Al | AT&T Corp. | 05-01-1996 | |
| 1 | | EP | 0872962 | A2 | Nokia Mobile Phones Ltd. & Nokia Telecommunications Limited | 10-21-1998 | |
| 1 0 | | EP | 0982861 | A2 | STMicroelectronics, Inc. | 03-01-2000 | |
| NV | | GB | 2164828 | Α | International Standard Electric Corporation | 03-26-1986 | |

OTHER ART - NON PATENT LITERATURE DOCUMENTS

| Examiner's / | Cite | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published. | Translation |
|--------------|------|--|-------------|
| Initials | No | | (Y/N) |
| 70 , | | DEISHER, M.E. et al., "Practical Considerations in the Implementation of a Frequency-Domain Adaptive Noise Canceller", IEEE Transactions on Circuits and Systems, II; Analog and Digital Signal Processing, IEEE Inc. New York, US, vol. 41, no. 2, Feb. 1, 1994, pp. 164-168, XP000443037 | |

| EXAMINER: | | DATE CONSIDERED: | · |
|-----------|-----------------|------------------|---|
| | | 4-ha/05 | |
| | $\mathcal{U}VY$ | 700/03 | |

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).